

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04L1/18 H04Q7/38 H04Q7/22				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04Q H04L				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, INSPEC				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 2002/172217 A1 (KADABA SRINIVAS R ET AL) 21 November 2002 (2002-11-21) paragraph '0007! paragraph '0009! - paragraph '0012! paragraph '0024! - paragraph '0027! paragraph '0029! - paragraph '0030! paragraph '0035! - paragraph '0052! paragraph '0076! - paragraph '0090! -----	1-85		
X	US 5 914 950 A (TIEDEMANN, JR. ET AL) 22 June 1999 (1999-06-22) cited in the application column 1, line 31 - line 39 column 4, line 60 - column 5, line 15 column 8, line 32 - column 10, line 20 column 12, line 66 - column 13, line 62 column 14, line 17 - column 15, line 30 -----	1-85		
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.				
° Special categories of cited documents :				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; border: none;"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; vertical-align: top; border: none;"> *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family </td> </tr> </table>			*A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report			
2 February 2005	14/02/2005			
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer LOPEZ PEREZ M C			

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/004786

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002172217	A1	21-11-2002	JP	2002369261 A	20-12-2002
<hr/>					
US 5914950	A	22-06-1999	AU	7246698 A	30-10-1998
			CN	1141850 C	10-03-2004
			EP	0974237 A2	26-01-2000
			JP	2001519123 T	16-10-2001
			TW	391099 B	21-05-2000
			WO	9845966 A2	15-10-1998
			US	5923650 A	13-07-1999
			ZA	9802973 A	13-10-1998
<hr/>					